

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/IB 03/04693A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L33/00 H01L21/208

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L C30B C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JEONG S-H ET AL: "PREPARATION OF ALIGNED CARBON NANOTUBES WITH PRESCRIBED DIMENSIONS: TEMPLATE SYNTHESIS AND SONICATION CUTTING APPROACH" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 14, no. 4, April 2002 (2002-04), pages 1859-1862, XP001163195 ISSN: 0897-4756 the whole document	1, 3, 4, 7, 10
X	WO 01/57917 A (XIDEX CORP ;MANCEVSKI VLADIMIR (US)) 9 August 2001 (2001-08-09) abstract; figure 12A --- -/--	1, 8-10, 12



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

15 April 2004

Date of mailing of the international search report

22/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LOISEAU A ET AL: "Boron nitride nanotubes" CARBON, ELSEVIER SCIENCE PUBLISHING, NEW YORK, NY, US, vol. 36, no. 5-6, 1998, pages 743-752, XP004124265 ISSN: 0008-6223 the whole document ----	1,2,6,10
X	EP 0 951 047 A (CANON KK) 20 October 1999 (1999-10-20) figures 18,19; examples 6,14 ----	1,2,10
A	WO 02/17362 A (CUI YING ;DUAN XIANGFENG (US); HARVARD COLLEGE (US); HUANG YUNG SH) 28 February 2002 (2002-02-28) page 60, line 16 -page 61, line 11 ----	10,12
A	GUDIKNEN M S ET AL: "GROWTH OF NANOWIRE SUPERLATTICE STRUCTURES FOR NANOSCALE PHOTONICS AND ELECTRONICS" NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 415, 7 February 2002 (2002-02-07), pages 617-620, XP001122834 ISSN: 0028-0836 the whole document -----	5,13

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Int'l Application No
PCT/IB 03/04693

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0157917	A	09-08-2001	AU 3676301 A WO 0157917 A2 US 2001023986 A1	14-08-2001 09-08-2001 27-09-2001
EP 0951047	A	20-10-1999	JP 2000031462 A EP 1378486 A1 EP 1378487 A1 EP 0951047 A2 US 6278231 B1 US 2001028872 A1	28-01-2000 07-01-2004 07-01-2004 20-10-1999 21-08-2001 11-10-2001
WO 0217362	A	28-02-2002	AU 8664901 A CA 2417992 A1 EP 1314189 A2 JP 2004507104 T WO 0217362 A2 US 2003089899 A1 US 2002130311 A1 AU 2904602 A CA 2430888 A1 EP 1342075 A2 WO 0248701 A2 US 2002117659 A1 CA 2447728 A1 WO 03005450 A2	04-03-2002 28-02-2002 28-05-2003 04-03-2004 28-02-2002 15-05-2003 19-09-2002 24-06-2002 20-06-2002 10-09-2003 20-06-2002 29-08-2002 16-01-2003 16-01-2003